

Northeast Coastal and Barrier Network Data Dictionary Example

DATA DICTIONARY

Data Field and Attribute Definitions

BIOLOGICAL INVENTORY

Comprehensive Inventory Program for Birds at Six Pennsylvania National Parks (ALPO, EISE, GETT, HOFU, JOFL, VAFO), 1999-2001

TABLE INDEX

<i>tblBirdEvents</i>	<i>tblLocUnderstoryAndShrub</i>	<i>tblShrikeSurvey</i>
<i>tblEvents</i>	<i>tblOwlSurvey</i>	<i>tlinkObservers</i>
<i>tblLocations</i>	<i>tblPointCountSurvey</i>	<i>tluBirdSpecies</i>
<i>tblLocCanopy</i>	<i>tblRaptorSurvey</i>	<i>tluParkName</i>
<i>tblLocGroundCover</i>	<i>tblRiparianBirdSurvey</i>	<i>tluProject</i>
<i>tblLocHerbVegHeight</i>	<i>tblRoadSurvey</i>	
<i>tblLocOverstory</i>		

tblBirdEvents

Field Name	Field Type	Field Width	Field Description
EventID	Text	50	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Temp	Double	8	Temperature in degrees Fahrenheit.
Wind	Double	8	Wind speed in miles per hour.
Clouds	Double	8	Percentage cloud cover.
Precip	Double	8	Indication of precipitation. 0 = none and 1 = light snow during winter or mist to light drizzle during spring, breed, or fall.
SnowDepth	Long	4	Snow depth in centimeters.

tblEvents

Field Name	Field Type	Field Width	Field Description
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point

NCBN Information Management Plan Appendix

Field Name	Field Type	Field Width	Field Description
Park	Text	50	Park Code. See tluParkName.
GeneralSurveyType	Text	50	Type of Biological Inventory - BIRDS
SpecificSurveyType	Text	50	Type of Bird Survey – OWL, POINTCOUNT, RAPTOR, RIPARIAN, ROAD, SHRIKE
StartDate	Date	8	Date (mm/dd/yy) when sampling began
StartTime	Date	8	Time (hh:mm) when sampling began. Start times were not recorded for Shrike and Road Surveys.
Visit	Long	4	Either the first, second or third visit during a specific season of a particular year.
Season	Text	50	Fall (25 Aug - 10 Oct), Winter (1 Dec - 15 Mar) , Spring (15 Apr - 25 May), Breed (25 May - 15 Jul)

tblLocations

Field Name	Field Type	Field Width	Field Description
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
ParkCode	Text	50	4-character Park Code. See tluParkName
Project	Text	10	Code for component of program (Weather, Birds, Fish, Veg Plots, etc.)
SurveyType	Text	50	Type of survey conducted at location (Owl, Point Count, Raptor, Riparian Bird, Road)
SurveyLocation	Text	50	Survey location number unique to survey type.
StartUTMX	Double	8	UTM X (easting) coordinate for the center of the plot or location OR starting point of a line or polygon (double precision to 15 significant digits)
StartUTMY	Double	8	UTM Y (northing) coordinate for the center of the plot or location OR starting point of a line or polygon (double precision to 15 significant digits)

tblLocCanopy

Field Name	Field Type	Field Width	Field Description
LocCanopyID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
Date	Date	8	The date that the survey was conducted.
Canopy	Double	8	Percent canopy coverage taken at one of the 20 plots located at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.

NCBN Information Management Plan Appendix

Field Name	Field Type	Field Width	Field Description
Observer	Text	50	Last name(s) of the investigators that conducted the survey.

tblLocGroundCover

Field Name	Field Type	Field Width	Field Description
LocGroundCoverID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
Date	Date	8	The date that the survey was conducted.
Observer	Text	50	Last name(s) of the investigators that conducted the survey.
Grass	Double	8	Number of the 20 ocular tube readings that intersected grass ground cover. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.
Forb	Double	8	Number of the 20 ocular tube readings that intersected forb ground cover. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.
Fern	Double	8	Number of the 20 ocular tube readings that intersected fern ground cover. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.
Dead	Double	8	Number of the 20 ocular tube readings that intersected dead herbaceous vegetation ground cover. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.
Bare	Double	8	Number of the 20 ocular tube readings that intersected bare ground. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.
Log	Double	8	Number of the 20 ocular tube readings that intersected dead woody material. Ocular tube readings were taken at 6 foot intervals along 3 x 76 foot north-south and east-west azimuths that intersect at the point center.

tblLocHerbVegHeight

Field Name	Field Type	Field Width	Field Description
LocHerbVegHeightID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
Date	Date	8	The date that the survey was conducted.
Observer	Text	50	Last name(s) of the investigators that conducted the survey.

Field Name	Field Type	Field Width	Field Description
Veg Height	Double	8	Height of herbaceous vegetation in inches taken 6 feet from the point center in one of the 4 cardinal directions.

tblLocOverstory

Field Name	Field Type	Field Width	Field Description
LocOverstoryID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	50	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=survey type, 1=survey location unique to specific survey type
Observer	Text	50	Last name(s) of the investigators that conducted the survey.
Species	Text	255	Common or generic name of the overstory tree.
DBH	Double	8	Diameter at breast height in inches of each overstory tree within a 38 foot radius of the point center. Overstory trees were > 5 feet tall and > 2.9 inches diameter at breast height.
Date	Date	8	Date that vegetation sampling occurred.

tblLocUnderstoryAndShrub

Field Name	Field Type	Field Width	Field Description
tblLocUnderstoryAndShrubID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	50	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=survey type, 1=survey location unique to specific survey type
Date	Date	8	The date that the survey was conducted.
Observer	Text	50	Last name(s) of the investigators that conducted the survey.
Species	Text	50	Common or generic name of the understory or shrub vegetation.
Understory	Double	8	Number of understory trees within 3 x 76 foot north-south and east-west azimuths that intersect at the point center. Understory trees were > 5 feet tall and 1 - 2.9 inches diameter at breast height.
Tall Shrub	Double	8	Number of tall shrubs within 3 x 76 foot north-south and east-west azimuths that intersect at the point center. Tall shrubs were > 5 feet tall and < 1 inch diameter at breast height.
Short Shrub	Double	8	Number of short shrubs within 3 x 76 foot north-south and east-west azimuths that intersect at the point center. Short shrubs were < 5 feet tall and < 1 inch diameter at breast height.

tblOwlSurvey

Field Name	Field Type	Field Width	Field Description
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NCBN Information Management Plan Appendix

Field Name	Field Type	Field Width	Field Description
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	255	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of individuals detected. 0 = none detected.
Detection	Text	50	Method of detection. V = visual, S = song, C = call, and * = no data collected.

tblPointCountSurvey

Field Name	Field Type	Field Width	Field Description
PointCount SurveyID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	50	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of individuals detected. A blank space = none detected.
Distance	Long	4	Distance that the bird(s) were from the point center. A blank space = not applicable.
Detection	Text	50	Method of detection. V = visual, S = song, C = call, and * = no data collected.
Interval0-3	Double	8	0-3 indicates the initial three minutes of the point-count survey. 0 = not first detected during this time period and 1 = first detected during this time period. A blank space = no data collected.
Interval3-5	Double	8	3-5 indicates the three to five minute time period of the point-count survey. 0 = not first detected during this time period and 1 = first detected during this time period. A blank space = no data collected.
Interval5-10	Double	8	5-10 indicates the last five minutes of the point-count survey. 0 = not first detected during this time period and 1 = first detected during this time period. A blank space = no data collected.

tblRaptorSurvey

Field Name	Field Type	Field Width	Field Description
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
EventID	Text	50	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	50	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of individuals detected. 0 = none detected.
Detection	Text	50	Method of detection. V = visual, S = song, C = call, and * = no data collected.

tblRiparianBirdSurvey

Field Name	Field Type	Field Width	Field Description
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	50	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of individuals detected. 0 = none detected.
Sex	Text	50	Sex of the individuals detected. M = male, F = female, * = unknown.

tblRoadSurvey

Field Name	Field Type	Field Width	Field Description
RoadSurvey ID	Long	4	Unique autonumber assigned to each record in the table
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=specific survey type, 1=survey location unique to specific survey type
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=specific survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	50	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the

NCBN Information Management Plan Appendix

Field Name	Field Type	Field Width	Field Description
			tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of individuals detected. A blank = none detected.
Detection	Text	50	Method of detection. V = visual, S = song, C = call, and * = no data collected.
Interval0-3	Long	4	0-3 indicates the initial three minutes of the point-count survey. 0 = not first detected during this time period and 1 = first detected during this time period. A blank space = no data collected.
Interval3-5	Long	4	3-5 indicates the three to five minute time period of the point-count survey. 0 = not first detected during this time period and 1 = first detected during this time period. A blank space = no data collected.

tblShrikeSurvey

Field Name	Field Type	Field Width	Field Description
LocationID	Text	255	Location ID code such as ALPO_BIRDS_Point Count_1 where ALPO=park code, BIRDS=project, Point Count=survey type, 1=survey location unique to specific survey type
EventID	Text	255	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Species	Text	50	Four letter species code identifying the common name of a bird. Bird common names and their associated species codes are found in the tluBirdSpecies table. * = none detected.
Individuals	Long	4	Number of loggerhead shrike detected. 0 = none detected.
Detection	Text	50	Method of detection. V = visual, S = song, C = call, and * = no data collected.
Sex	Text	50	Sex of the individuals detected. M = male, F = female, * = unknown or no data collected.
Age	Text	50	Age of the individual(s) detected. Adult = > 1 year of age and Young = hatched that particular year. * = unknown or no data collected.
Location/Comments	Text	50	Additional information concerning the survey. * = none given.

tlinkObservers

Field Name	Field Type	Field Width	Field Description
EventID	Text	50	Sampling Event ID such as EISE_BIRDS_SHRIKE_2000-May-15_00:01 where EISE=park code, BIRDS=general survey type, SHRIKE=survey type, 2000-May-15=date, 00:01=time where applicable or 00:00 where the last digit(s) are the survey point
Observer	Text	50	Last name(s) of the investigators that conducted the survey.

tluBirdSpecies

Field Name	Field Type	Field Width	Field Description
Species	Text	255	4-character AOU code for bird species
CommonName	Text	255	Common or vernacular name for the species

tluParkName

Field Name	Field Type	Field Width	Field Description
ParkCode	Text	4	4-character Park Code
Park Name	Text	255	Full Name of Park

tluProject

Field Name	Field Type	Field Width	Field Description
Project	Text	10	name of project
Description	Text	255	description of this project